

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKMDE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_14_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-13L-xxK-MD-E1-RD4F-MW-SO-FACY4

[LUMINAIRE] 4" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] Medium Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	746
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.54
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6057	5973	5953
55	4791	4771	4868
65	3967	3817	3842
75	3043	2978	3030
85	2283	2265	2287

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKMDE1-RD4FMWSO-FACY4.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1338.396	1338.396	1338.396	1338.396	1338.396
5	1254.062	1262.019	1258.176	1256.588	1268.026
10	1021.539	1025.983	1024.872	1027.098	1031.123
15	714.158	711.527	715.266	708.434	714.742
20	428.454	428.008	425.786	428.065	428.072
25	285.235	286.164	289.095	286.714	290.989
30	155.187	154.677	157.291	156.625	155.578
35	109.246	108.736	108.574	108.635	108.179
40	88.315	89.767	90.453	88.997	88.781
45	79.002	79.143	77.911	79.447	77.657
50	70.113	71.957	72.011	70.937	70.562
55	62.849	63.022	62.586	63.629	63.856
60	56.122	55.727	56.703	56.322	55.987
65	50.750	49.301	48.828	48.983	49.159
70	42.456	42.770	42.442	43.084	42.091
75	36.765	35.800	35.975	36.353	36.607
80	30.201	29.853	30.116	29.762	30.288
85	25.111	24.628	24.919	25.233	25.162
90	21.670	21.620	21.444	21.451	21.829

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Zone	Lumens	%Lamp	%Fxt
0-20	309.89	N.A.	41.50
0-30	441.01	N.A.	59.10
0-40	513.04	N.A.	68.80
0-60	631.31	N.A.	84.60
0-80	718.54	N.A.	96.30
0-90	746.22	N.A.	100.00
10-90	633.41	N.A.	84.90
20-40	203.15	N.A.	27.20
20-50	264.60	N.A.	35.50
40-70	167.18	N.A.	22.40
60-80	87.23	N.A.	11.70
70-80	38.32	N.A.	5.10
80-90	27.68	N.A.	3.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	746.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.82
10-20	197.07
20-30	131.12
30-40	72.03
40-50	61.45
50-60	56.82
60-70	48.91
70-80	38.32
80-90	27.68
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

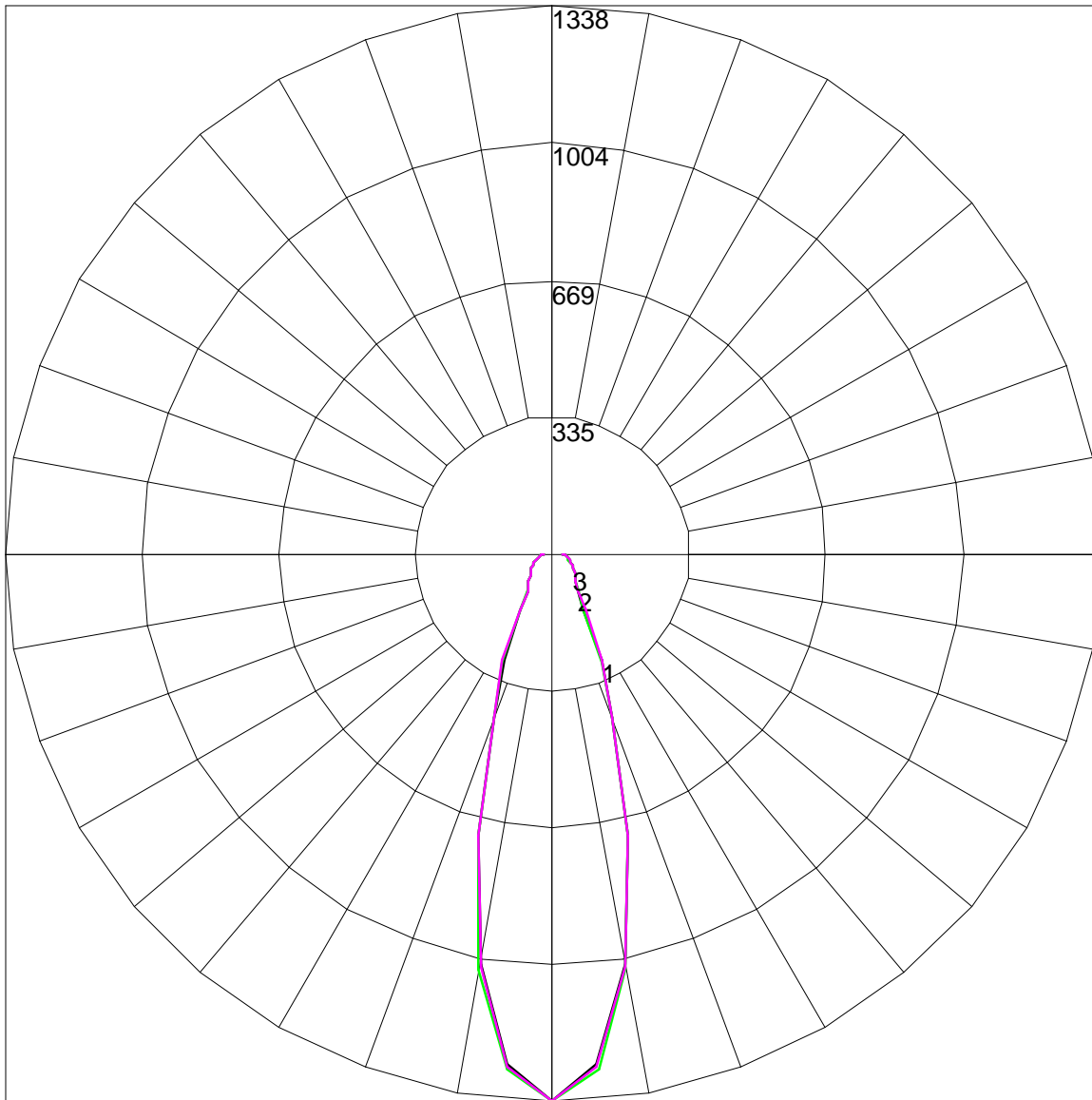
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	50
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	54	50	46	45

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PHOTOMETRIC FILENAME : RDF04LEDXT-13LXXKMDE1-RD4FMWSO-FACY4.IES

POLAR GRAPH



Maximum Candela = 1338.396 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)